

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 0 765 096 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
25.11.1998 Bulletin 1998/48

(51) Int. Cl.⁶: H04Q 7/38, H04B 7/26,
H04Q 7/32, H04L 12/56

(43) Date of publication A2:
26.03.1997 Bulletin 1997/13

(21) Application number: 96113707.2

(22) Date of filing: 27.08.1996

(84) Designated Contracting States:
DE GB IT SE

(30) Priority: 20.09.1995 JP 242091/95
14.12.1995 JP 325687/95

(71) Applicant:
NTT MOBILE COMMUNICATIONS NETWORK
INC.
Minato-ku, Tokyo 105-8436 (JP)

(72) Inventors:
• Tanno, Motohiro
Yokohama-shi, Kanagawa 220 (JP)
• Uebayashi, Shinji
Yokohama-shi, Kanagawa 236 (JP)

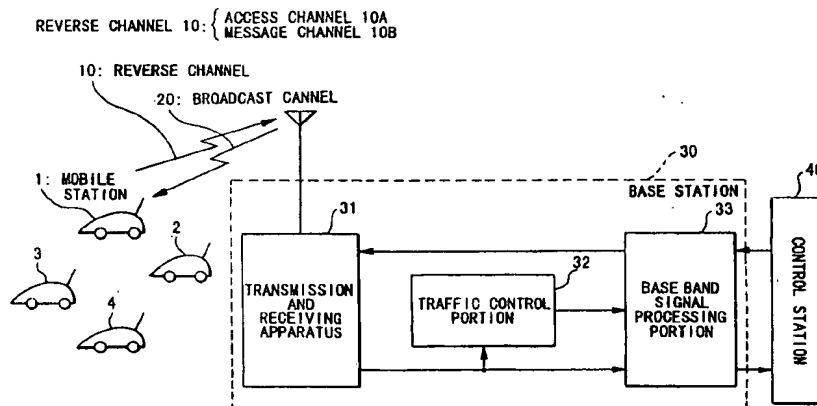
(74) Representative:
Winter, Brandl, Fürniss, Hübner, Röss,
Kaiser, Polte, Kindermann
Partnerschaft
Patent- und Rechtsanwaltskanzlei
Alois-Steinecker-Strasse 22
85354 Freising (DE)

(54) Access method mobile station and base station for CDMA mobile communication system

(57) In a CDMA mobile communication system, for realizing a multiple-access, a common reverse channel 10 is divided into an access channel 10A and a message channel 10B. When data (packet) to be transmitted occurs in any mobile station 1-4, mobile station having data to be transmitted transmits a transmission request signal including information, such as packet size or the like, by using the access channel 10A. In contrast, base station 30 transmits a transmission per-

mission signal, which designates a transmission timing of data and a spreading code to be used as transmitting, on the basis of the state of utilization of message channel 10B and the state of occurrence of data. Mobile stations 1-4 transmits data in accordance with the spreading code and the transmission timing which are designated from base station 30.

FIG. 1



EP 0 765 096 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 96 11 3707

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|---|--|--|---|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int.Cl.6) |
| A | EP 0 475 698 A (MOTOROLA INC) 18 March 1992 * the whole document * | 1, 15, 29 | H0407/38 H04B7/26 H0407/32 H04L12/56 |
| A | US 4 841 527 A (RAYCHAUDHURI DIPANKAR ET AL) 20 June 1989 * page 1, line 55 - page 2, line 37 * | 1, 15, 29 | |
| A | GB 2 270 815 A (ROKE MANOR RESEARCH) 23 March 1994 * page 2, line 13 - page 3, line 8 * | 1, 15, 29 | |
| | | | TECHNICAL FIELDS SEARCHED (Int.Cl.6) |
| | | | H04Q H04L |
| The present search report has been drawn up for all claims | | | |
| Place of search THE HAGUE | | Date of completion of the search 5 October 1998 | Examiner Janyszek, J-M |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p> | | | |

EP 0 765 096 A3 (P04C01)